



07/28/14

Technical Report for

ISI Environmental Services

Clean Harbors; Wichita, KS

Accutest Job Number: FA16696

Sampling Date: 07/16/14

Report to:

ISI Environmental Services
215 S Laura
Wichita, KS 67211
bgerber@isienviromental.com; ahealey@isienviromental.com
ATTN: Brady Gerber

Total number of pages in report: **15**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Harry Behzadi
Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), PA (68-03573), VA (460177),
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Test results relate only to samples analyzed.

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Sample Summary

ISI Environmental Services

Job No: FA16696

Clean Harbors; Wichita, KS

Sample Number	Collected		Time By	Received	Matrix		Client Sample ID
	Date				Code	Type	
FA16696-1	07/16/14	13:50	BG	07/17/14	SO	Soil	J5-F2-14'
FA16696-2	07/16/14	00:00	BG	07/17/14	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: FA16696
Account: ISI Environmental Services
Project: Clean Harbors; Wichita, KS
Collected: 07/16/14

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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FA16696-1 J5-F2-14'

No hits reported in this sample.

FA16696-2 TRIP BLANK

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	J5-F2-14'	Date Sampled:	07/16/14
Lab Sample ID:	FA16696-1	Date Received:	07/17/14
Matrix:	SO - Soil	Percent Solids:	80.6
Method:	SW846 8260B BY SIM		
Project:	Clean Harbors; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0065727.D	1	07/25/14	EP	n/a	n/a	VF2177
Run #2							

	Initial Weight
Run #1	8.31 g
Run #2	

CAS No.	Compound	Result	RL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	105%		75-126%
17060-07-0	1,2-Dichloroethane-D4	92%		72-135%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK	Date Sampled:	07/16/14
Lab Sample ID:	FA16696-2	Date Received:	07/17/14
Matrix:	SO - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B BY SIM		
Project:	Clean Harbors; Wichita, KS		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0065728.D	1	07/25/14	EP	n/a	n/a	VF2177
Run #2							

Run #	Initial Weight
Run #1	5.00 g
Run #2	

CAS No.	Compound	Result	RL	Units	Q
123-91-1	1,4-Dioxane	ND	5.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	91%		75-126%
17060-07-0	1,2-Dichloroethane-D4	89%		72-135%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

[illegible]

FA16696: Chain of Custody

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4.1

COOLER INFORMATION

<input type="checkbox"/>	CUSTODY SEAL NOT PRESENT OR NOT INTACT
<input type="checkbox"/>	CHAIN OF CUSTODY NOT RECEIVED (COC)
<input type="checkbox"/>	ANALYSIS REQUESTED IS UNCLEAR OR MISSING
<input type="checkbox"/>	SAMPLE DATES OR TIMES UNCLEAR OR MISSING
<input type="checkbox"/>	TEMPERATURE CRITERIA NOT MET

TEMPERATURE INFORMATION

TEMPERATURE INFORMATION

<input type="checkbox"/>	IR THERM ID	1	CORR. FACTOR	+0.4
<input type="checkbox"/>	OBSERVED TEMPS:	22		
<input type="checkbox"/>	CORRECTED TEMPS:	26		

SAMPLE INFORMATION

	INCORRECT NUMBER OF CONTAINERS USED
	SAMPLE RECEIVED IMPROPERLY PRESERVED
	INSUFFICIENT VOLUME FOR ANALYSIS
	DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
	ID'S ON COC DO NOT MATCH LABEL
	VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
	BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
	NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
	UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
	SAMPLE CONTAINER(S) RECEIVED BROKEN
	5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
	BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
	% SOLIDS JAR NOT RECEIVED
	RESIDUAL CHLORINE PRESENT

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
NUMBER OF 5035 FIELD KITS ? _____ 1 _____
NUMBER OF LAB FILTERED METALS ? _____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE

RS 04/14

REVIEWER SIGNATURE/DATE

receipt confirmation 041514.xls

GC/MS Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

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Job Number: FA16696

Account: ISIEKSW ISI Environmental Services

Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2177-MB	F0065726.D	1	07/25/14	EP	n/a	n/a	VF2177

The QC reported here applies to the following samples:

Method: SW846 8260B BY SIM

FA16696-1, FA16696-2

CAS No.	Compound	Result	RL	Units	Q
123-91-1	1,4-Dioxane	ND	5.0	ug/kg	

CAS No.	Surrogate Recoveries	Limits
2037-26-5	Toluene-D8	103% 75-126%
17060-07-0	1,2-Dichloroethane-D4	87% 72-135%

Blank Spike Summary

Page 1 of 1

Job Number: FA16696

Account: ISIEKSW ISI Environmental Services

Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2177-BS	F0065725.D	1	07/25/14	EP	n/a	n/a	VF2177

The QC reported here applies to the following samples:

Method: SW846 8260B BY SIM

FA16696-1, FA16696-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
123-91-1	1,4-Dioxane	50	53.7	107	56-152

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	109%	75-126%
17060-07-0	1,2-Dichloroethane-D4	99%	72-135%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: FA16696

Account: ISIEKSW ISI Environmental Services

Project: Clean Harbors; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA16822-11MS	F0065747.D	1	07/26/14	EP	n/a	n/a	VF2177
FA16822-11MSD	F0065748.D	1	07/26/14	EP	n/a	n/a	VF2177
FA16822-11	F0065744.D	1	07/25/14	EP	n/a	n/a	VF2177

The QC reported here applies to the following samples:

Method: SW846 8260B BY SIM

FA16696-1, FA16696-2

CAS No.	Compound	FA16822-11 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
123-91-1	1,4-Dioxane	59.4	35.3	114	155*	35.3	82.5	65	32	56-152/37

CAS No.	Surrogate Recoveries	MS	MSD	FA16822-11	Limits
2037-26-5	Toluene-D8	86%	106%	98%	75-126%
17060-07-0	1,2-Dichloroethane-D4	107%	98%	97%	72-135%

* = Outside of Control Limits.